



09/19/03

Assistant Commissioner  
for Patents  
Washington, DC 20231-9999

PATENT APPLICATION TRANSMITTAL LETTER

03945 U.S. PTO

10/665709

09/19/03

Transmitted herewith for filing is a patent application of:

Mark E. Reindle, Bruce R. Knox and Norman Siegelfor SENSORS AND ASSOCIATED METHODS FOR CONTROLLING A VACUUM CLEANER

Enclosed are:

[ x ] 27 sheets of specification.  
[ x ] 1 sheet of Abstract.  
[ x ] 11 sheets of claims.  
[ x ] 13 sheets of informal drawings (FIGS. 1-14).  
[ x ] An Assignment of an invention to Royal Appliance Mfg. Co., along with the assignment cover sheet is enclosed.  
[ x ] A Declaration and Power of Attorney.  
[ x ] Information Disclosure Statement and PTO-1449.

CLAIMS AS FILED				
FOR	NO. FILED	NO. EXTRA	RATE	FEE
TOTAL CLAIMS	48 - 20 =	28	[XX] \$18 LARGE [ ] \$09 SMALL	\$504.00
INDEPENDENT CLAIMS	7 - 3 =	4	[XX] \$84 LARGE [ ] \$42 SMALL	\$336.00
BASIC FEE	[XX] LARGE ENTITY	\$750	[ ] SMALL ENTITY	\$375
TOTAL FILING FEE				\$1,590.00

- [x] The Commissioner is hereby authorized to charge any additional filing fees which may be required for this application without specific authorization, or credit any overpayment to Deposit Account No. 06-0308.
- [x] Checks in the amount of \$1,590.00 to cover the large entity filing fee and \$40.00 to cover the assignment recordal fee are enclosed.

19 September 2003  
Date

FAY, SHARPE, PAGAN, MINNICH &amp; MCKEE, LL

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EXPRESS MAIL CERTIFICATE

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 in an envelope addressed to the Assistant Commissioner for Patents, Washington, DC 20231-9999 on this 19th day of September 2003. "Express Mail" Mailing Label No.: EV340035981US

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